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Mouse IL-2 Recombinant Protein (85-441)

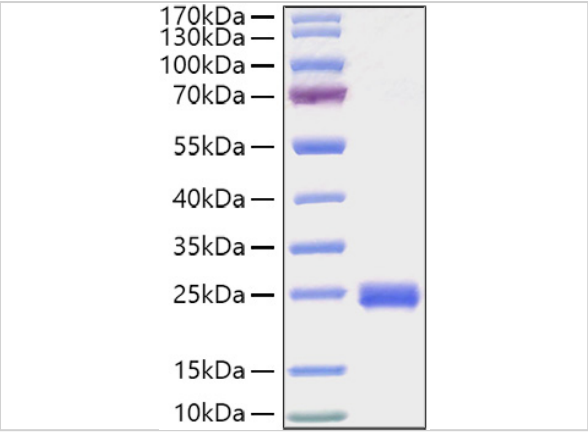
CATALOG NUMBER: 85-441

Specifications

Species	Mouse
Source Species	HEK293 cells
Fusion Tag	C-His
Tested Applications	Bioactivity Test, ELISA, Immunogen, SDS-PAGE, WB
Predicted Molecular Weight	18.07 kDa
Biological Activity	1.Measured by its binding ability in a functional ELISA. Immobilized Mouse IL-2 at 2 μg/mL (100 μL/well) can bind Mouse IL-2 with a linear range of 0.1-43.8 ng/mL. 2. Measured in a cell proliferation assay using HT-2 mouse T cells. The ED_{50} for this effect is 0.88-3.5 ng/mL, corresponding to a specific activity of 2.86×10^5-1.14×10^6 units/mg.3.Measured in a cell proliferation assay using CTLL2 mouse T cells. The ED_{50} for this effect is 0.32-1.26 ng/mL, corresponding to a specific activity of 7.94×10^5~3.17×10^6 units/mg.

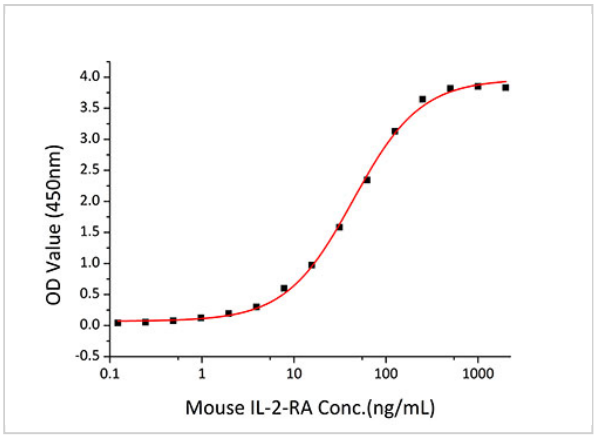
Properties

Purity	≥ 95 % as determined by SDS-PAGE.
Physical State	Lyophilized
Buffer	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage Conditions	Store at -20°C.Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.



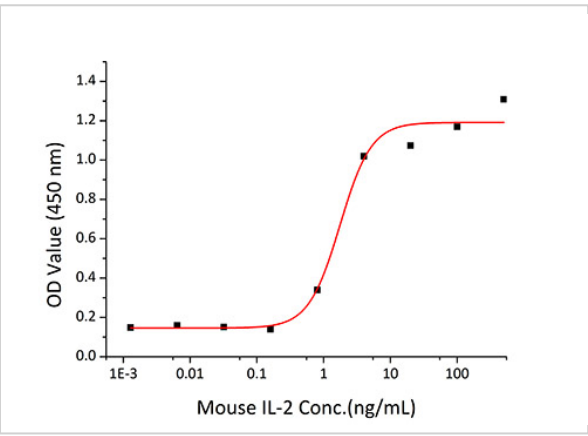
85-441_1

Recombinant Mouse IL-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



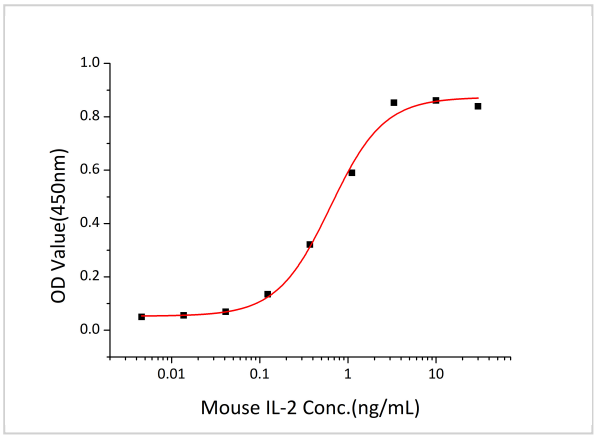
85-441_2

Immobilized Mouse IL-2 (Catalog:85-441) at 2 μg/mL (100 μL/well) can bind Mouse IL-2RA (Catalog:85-536) with a linear range of 0.1-43.8 ng/mL.



85-441_3

Recombinant Mouse IL-2 stimulates cell proliferation of the HT-2 mouse T cells. The ED_{50} for this effect is 0.88-3.5 ng/mL, corresponding to a specific activity of 2.86×10^5-1....



85-441_4

Measured in a cell proliferation assay using CTLL2 mouse T cells. The ED_{50} for this effect is 0.32-1.26 ng/mL, corresponding to a specific activity of 7.94×10^5~3.17×10^6

Disclaimer

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